Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/13/2018 11:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125168	0	1.28	125223	1.27
Blue	F	SSC	125000	124682	-1	1.74	125266	1.76
Blue	E	FITC	15760	15312	-3	2.94	330	21.89
Blue	D	PE	25880	25253	-3	1.95	549	16.56
Blue	B	PerCP-Cy5-5	34075	33519	-2	4.09	1025	22.56
Blue	A	PE-Cy7	22776	22733	-1	7.15	543	44.48
Red	C	APC	42488	41706	-2	2.64	1581	13.09
Red	A	APC-Cy7	24478	23839	-3	2.80	816	12.68
Violet	B	V450	6304	6091	-4	4.06	368	16.52
Violet	A	V500	26005	24866	-5	3.65	591	12.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20730	5.69	605	8	N/A	N/A	Pass
Blue	F	SSC	57046	1.24	572	17	N/A	N/A	Pass
Blue	E	FITC	58	74.13	559	3	0.0172	235	Pass
Blue	D	PE	114	57.86	553	4	0.1356	319	Pass
Blue	B	PerCP-Cy5-5	196	53.63	651	4	0.0074	40	Pass
Blue	A	PE-Cy7	107	107.83	703	6	0.0094	20	Pass
Red	C	APC	374	27.68	599	-1	0.0207	147	Pass
Red	A	APC-Cy7	201	28.78	568	-3	0.0051	1461	Pass
Violet	B	V450	66	65.66	492	3	0.0272	2160	Pass
Violet	A	V500	89	41.01	508	2	0.0143	836	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.83	-31.38	0.95
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.39
Red	18.09	13.60 - 20.40	N/A	N/A	31.27	31.76	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10949

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments